

ATTACHMENT 1

RECLAMATION COST ESTIMATION SUMMARY SHEET and RECLAMATION COST CHECKLIST

BLM Casefile No. _____

Project Name: _____

Notice ☐ Plan of Operations ☐

RECLAMATION COST ESTIMATION SUMMARY SHEET

Enter those values in the cost estimate that are appropriate to this project. All reclamation costs are to be calculated as third party contracts. **This summary sheet is to be accompanied by a worksheet describing how each itemized cost estimation was calculated.**

A. EARTHWORK/RECONTOURING

<u>ITEM</u>	<u>MANPOWER¹</u>	<u>EQUIPMENT</u>	<u>MATERIALS</u>	<u>TOTAL</u>
1. Roads	\$ _____	\$ _____	\$ _____	\$ _____
2. Drill Site(s)	\$ _____	\$ _____	\$ _____	\$ _____
3. Drill Hole Abandonment	\$ _____	\$ _____	\$ _____	\$ _____
4. Pits/Adits/Trenches	\$ _____	\$ _____	\$ _____	\$ _____
5. Process Ponds	\$ _____	\$ _____	\$ _____	\$ _____
6. Heaps	\$ _____	\$ _____	\$ _____	\$ _____
7. Dumps (Waste & Landfill)	\$ _____	\$ _____	\$ _____	\$ _____
8. Tailings	\$ _____	\$ _____	\$ _____	\$ _____
9. Structure & Building Areas	\$ _____	\$ _____	\$ _____	\$ _____
10. Storage & Equipment Areas	\$ _____	\$ _____	\$ _____	\$ _____
11. Drainage Control	\$ _____	\$ _____	\$ _____	\$ _____
12. Mobilization/Demobilization	\$ _____	\$ _____	\$ _____	\$ _____
13. Miscellaneous ²	\$ _____	\$ _____	\$ _____	\$ _____
SUBTOTAL "A"	\$ _____	\$ _____	\$ _____	\$ _____

B. REVEGETATION/STABILIZATION

<u>ITEM</u>	<u>MANPOWER¹</u>	<u>EQUIPMENT</u>	<u>MATERIALS</u>	<u>TOTAL</u>
1. Roads	\$ _____	\$ _____	\$ _____	\$ _____
2. Drill Site(s)	\$ _____	\$ _____	\$ _____	\$ _____
3. Pits/Adits/Trenches	\$ _____	\$ _____	\$ _____	\$ _____
4. Process Ponds	\$ _____	\$ _____	\$ _____	\$ _____
5. Heaps	\$ _____	\$ _____	\$ _____	\$ _____
6. Dumps (Waste & Landfill)	\$ _____	\$ _____	\$ _____	\$ _____
7. Tailings	\$ _____	\$ _____	\$ _____	\$ _____
8. Structure & Building Areas	\$ _____	\$ _____	\$ _____	\$ _____
9. Storage & equipment Areas	\$ _____	\$ _____	\$ _____	\$ _____
10. Drainage Control	\$ _____	\$ _____	\$ _____	\$ _____
11. Monitoring	\$ _____	\$ _____	\$ _____	\$ _____
12. Miscellaneous ²	\$ _____	\$ _____	\$ _____	\$ _____
SUBTOTAL "B"	\$ _____	\$ _____	\$ _____	\$ _____

C. DETOXIFICATION/WATER TREATMENT/DISPOSAL OF WASTES

<u>ITEM</u>	<u>MANPOWER¹</u>	<u>EQUIPMENT</u>	<u>MATERIALS</u>	<u>TOTAL</u>
1. Process Ponds/Sludge	\$ _____	\$ _____	\$ _____	\$ _____
2. Heaps	\$ _____	\$ _____	\$ _____	\$ _____
3. Dumps (Waste & Landfill)	\$ _____	\$ _____	\$ _____	\$ _____
4. Tailings	\$ _____	\$ _____	\$ _____	\$ _____
5. Surplus Water Disposal	\$ _____	\$ _____	\$ _____	\$ _____
6. Fluid Management ³	\$ _____	\$ _____	\$ _____	\$ _____
7. Monitoring	\$ _____	\$ _____	\$ _____	\$ _____
8. Miscellaneous ²	\$ _____	\$ _____	\$ _____	\$ _____
SUBTOTAL "C"	\$ _____	\$ _____	\$ _____	\$ _____

	<u>MANPOWERⁱ</u>	<u>EQUIPMENT</u>	<u>MATERIALS</u>	<u>TOTAL</u>
D. STRUCTURE, EQUIPMENT AND FACILITY REMOVAL	\$ _____	\$ _____	\$ _____	\$ _____
E. SUBTOTAL - OPERATIONAL PROJECT COSTS (A THROUGH D)	\$ _____	\$ _____	\$ _____	\$ _____
F. CONTINGENCY⁴				\$ _____
G. INSURANCE⁵ (ON SITE LIABILITY)				\$ _____
H. BONDⁱ (PERFORMANCE AND PAYMENT)				\$ _____
I. PROFITⁱ				\$ _____
J. CONTRACT ADMINISTRATIONⁱ				\$ _____
K. GRAND TOTAL (E THROUGH J)			\$ _____	

1. For Federal construction contracts. Davis-Bacon wage rates are required for contracts over \$2,500. Wage rates also contain Federal Insurance Corporation of America (FICA) and other required coverage and benefits covering the workforce. If the quoted hourly rates contain Davis-Bacon wage rates, FICA and insurance bond premiums, the operator may sign a statement under penalty of USC 1001, that the above listed rates contain these items and that itemization of these costs are therefore not necessary.

2. Miscellaneous items should be itemized on accompanying worksheets.

3. Calculate and use only when mineral processing activities using chemical reagents are involved. Fluid management represents the costs of maintaining proper fluid management to prevent overflow of solution ponds through premature cessation or abandonment of operations. Calculate a six month direct cost estimate which includes power, supplies, equipment, labor and maintenance.

4. A contingency cost is included in the cost estimation to cover variables in estimated reclamation costs. Calculate the contingency cost as a percentage of the operational project costs as follows: up to and including \$500,000, use 10%; over \$500,000 to \$5 million, use 8%; over \$5 million to \$50 million, use 6%; and greater than \$50 million, use 4%.

5. Insurance premiums are calculated at 1.5% of the total manpower costs. Enter the premium amount on this line if insurance items listed in #1 above are not included in the itemized unit costs.

6. Federal construction contracts exceeding \$100,000 require both a performance and a payment bond (Miller Act, 40 USC 270 *et seq.*). Each bond premium is figured at 1.5% of the total operational project costs. Enter the sum of both premium costs on this line.

7. For Federal construction contracts, use 10% of estimated operational project costs.

8. For Federal construction contracts, use 18% of operational project costs for estimates up to and including \$1 million. Use 14% of estimated project costs over \$1 million to \$25 million and 10% of estimated project costs over \$25 million.

The source of the equipment cost estimate is (Caterpillar Performance Handbook, contractor's estimate, etc.):
